

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A zoom lens system comprising, in order from a more distant conjugate point for said zoom lens, a first lens unit of negative refractive power, a second lens unit of negative refractive power which moves during zooming, third, fourth and fifth lens units, wherein the nearest lens unit in said zoom lens system to more distant conjugate point is said first lens unit and separation between each lens unit varies during zooming, and said zoom lens system further comprises at least one diffraction optical element,
wherein said diffraction optical element is made of stacked layers of diffraction gratings.
2. (Original) A zoom lens system according to claim 1, wherein said third lens unit has positive refractive power, said fourth lens unit has negative refractive power, and said fifth lens unit has positive refractive power.
3. (Original) A zoom lens system according to claim 1, further comprising a sixth lens unit, wherein said fifth lens unit moves during zooming.
4. (Original) A zoom lens system according to claim 1, further comprising a sixth lens unit of positive refractive power.
5. (Original) A zoom lens system according to claim 1, further comprising a stop movable during zooming.

6. (Original) A zoom lens system according to claim 5, wherein said stop moves with said third lens unit.
7. (Original) A zoom lens system according to claim 5, wherein said diffraction optical element is located closer to a less distant conjugate point than said stop.
8. (Currently Amended) A zoom lens system according to claim 1, further comprising a stop between said third and ~~forth~~ fourth lens units.
9. (Original) A zoom lens system according to claim 8, wherein said stop moves with said third lens unit.
10. (Original) A zoom lens system according to claim 8, wherein said diffraction optical element is located closer to a less distant conjugate point than said stop.
11. (Original) A zoom lens system according to claim 1, wherein said diffraction optical element is located in said fifth lens unit.
12. (Original) A zoom lens system according to claim 1, wherein a conditional expression $-0.50 < fw/f1 < -0.01$ is satisfied where $f1$ is a focal length of said first lens unit and fw is a focal length of an entire system of said zoom lens system at a wide-angle end.

13. (Original) A zoom lens system according to claim 1, wherein said fourth lens unit moves from the more distant conjugate point to a less distant conjugate point for said zoom lens system during zooming from a wide-angle end to a telephoto end.
14. (Original) A zoom lens system according to claim 1, wherein a conditional expression $0.05 < d3W/d3T < 0.60$ is satisfied where $d3W$ is a separation between said third and fourth lens units at a wide-angle end and $d3T$ is a separation between said third and fourth lens units at a telephoto end.
15. (Original) A zoom lens system according to claim 1, wherein said second lens unit moves from the more distant conjugate point to a less distant conjugate point for said zoom lens system during zooming from a wide-angle end to a telephoto end.
16. (Original) A zoom lens system according to claim 1, wherein a conditional expression $0.05 < |M2/M4| < 1.0$ is satisfied where $M2$ is a moving amount of said second lens unit during zooming from a wide-angle end to a telephoto end, and $M4$ is a moving amount of said fourth lens unit during zooming from the wide-angle end to the telephoto end.
17. (Original) A zoom lens system according to claim 1, wherein a conditional expression $0.01 < |M3/M4| < 1.0$ is satisfied where $M3$ is a moving amount of said third lens unit during zooming from a wide-angle end to a telephoto end, and $M4$ is a moving amount of said fourth lens unit during zooming from the wide-angle end to the telephoto end.

18. (Original) A zoom lens system according to claim 1, wherein said lens units at both ends in said zoom lens system do not move during zooming from a wide-angle end to a telephoto end.
19. (Original) A zoom lens system according to claim 1, wherein said second lens unit includes one positive lens and one negative lens.
20. (Original) A zoom lens system according to claim 1, wherein said second lens unit includes one negative lens.
21. (Original) A zoom lens system according to claim 1, wherein said third lens unit includes one positive lens.
22. (Original) A zoom lens system according to claim 1, wherein said fourth lens unit includes one negative lens.
23. (Original) A zoom lens system according to claim 1, wherein said first lens unit has three lenses including, in order from the more distant conjugate point, a positive lens, a negative lens and a negative lens.
24. (Original) A zoom lens system according to claim 1, wherein said first lens unit has three lenses including, in order from the more distant conjugate point, a positive lens, a positive lens and a negative lens.

25. (Original) A zoom lens system according to claim 1, wherein said diffraction optical element includes one diffraction grating.

26. (Canceled)

27. (Currently Amended) A zoom lens system ~~according to claim 1,~~ comprising, in order from a more distant conjugate point for said zoom lens system, a first lens unit of negative refractive power, a second lens unit of negative refractive power which moves during zooming, third, fourth, and fifth lens units, wherein the nearest lens unit in said zoom lens system to more distant conjugate point is said first lens unit and separation between each lens unit varies during zooming, and said zoom lens system further comprises at least one diffraction optical element,

wherein said diffraction optical element is formed by combining two diffraction gratings having the same grating thickness and facing each other so as to make a flat a surface of said diffraction optical element.

28. (Currently Amended) A zoom lens system ~~according to claim 1,~~ comprising, in order from a more distant conjugate point for said zoom lens system, a first lens unit of negative refractive power, a second lens unit of negative refractive power which moves during zooming, third, fourth and fifth lens units, wherein the nearest lens unit in said zoom lens system to more distant conjugate point is said first lens unit and separation between each lens unit varies during zooming, and said zoom lens system further comprises at least one diffraction optical element,

wherein said diffraction optical element is formed by combining a plurality of diffraction gratings with each other.

29. (Currently Amended) A zoom lens system ~~according to claim 1,~~ comprising, in order from a more distant conjugate point for said zoom lens system, a first lens unit of negative refractive power, a second lens unit of negative refractive power which moves during zooming, third, fourth and fifth lens units, wherein the nearest lens unit in said zoom lens system to more distant conjugate point is said first lens unit and separation between each lens unit varies during zooming, and said zoom lens system further comprises at least one diffraction optical element,

wherein said diffraction optical element is formed by combining a plurality of diffraction gratings facing each other via air.

30. (Currently Amended) An image-projecting device comprising a zoom lens system that comprises, in order from a more distant conjugate point, a first lens unit of negative refractive power, a second lens unit of negative refractive power which moves during zooming, third, fourth and fifth lens units, wherein the nearest lens unit in said zoom lens system to more distant conjugate point is said first lens unit, and separation between each lens unit varies during zooming, and said zoom lens system further comprises at least one diffraction optical element, wherein said image-projecting device projects an original image to a subject surface located at a less distant conjugate position for said zoom lens system,

wherein said diffraction optical element is made of stacked layers of diffraction gratings.

31. (Original) An image-projecting device according to claim 30, wherein said original image is formed by a liquid crystal panel.

32. (Currently Amended) An image pick-up device comprising a zoom lens system that comprises, in order from a more distant conjugate point, a first lens unit of a negative refractive power, a second lens unit of negative refractive power which moves during zooming, third, fourth and fifth lens units, wherein said zoom lens system further comprises at least one diffraction optical element, wherein said image pick-up device uses said zoom lens system to project an image of an object onto a photosensitive body located at a less distant conjugate position for said zoom lens system,

wherein said diffraction optical element is made of stacked layers of diffraction gratings.